# Interactive BIOS simulator

# HP ProDesk 600 35W G5 DM

# Welcome to the interactive BIOS simulator for the HP ProDesk 600 35W G5 DM

## Here's how to use it...

**<u>BIOS Utility Menus:</u>** (Click the link to navigate to the individual menus) On this page you will find thumbnail images of each of the product's BIOS utility menus. To view a specific menu in greater detail, simply click that thumbnail. Just as in the live BIOS, on each menu, you can select the tab of each of the other utility menus to navigate directly to that menu.

## Menu options:

While the menu options cannot be toggled, many of them offer item specific information about that option. To view this information, use the cursor to rollover the option and the information will present in a pane on the right of the BIOS screen.

## That's it!

On every page there is a link that brings you back to either this Welcome page or the BIOS Utility Menus page enabling you to navigate to whatever BIOS option you wish to review.

# **BIOS Utility Menus**

Main

Security

Advanced

**UEFI** Drivers

Suppress POST Errors



# HP Computer Setup

Item Specific Help

#### **BASIC SYSTEM INFORMATION**

Product Name Processor 1 Memory Size System BIOS HP ProDesk 600 35W G5 DM Intel(R) Celeron(R) G4900T CPU @ 2.90 GHz 8192 MB Q23 Ver. 80.30.14 02/13/2018

SERVICE -----

Born On Date Serial Number SKU Number Universally Unique Identifier (UUID) Asset Tracking Number 00/00/0000 5CD8085NCT D80PVTB#001 931F00D2-F91A-F5A2-FA8E-DB838A973335 5CD8085NCT



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#### ADVANCED SYSTEM INFORMATION

Product Name Memory Size HP ProDesk 600 35W G5 DM 8192 MB

PROCESSOR 1 -----

Processor Type Cache Size (L1/L2/L3) Processor Speed MicroCode Revision Processor Stepping Memory Speed DIMM1 DIMM3 Intel(R) Celeron(R) G4900T CPU @ 2.90 GHz 128 KB / 512 KB / 2 MB 2800 MHz 80 B 2133 MHz 8 GB Kingston Empty



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#### ADVANCED SYSTEM INFORMATION

FIRMWARE -----

System BIOS ME Firmware Version ME Firmware Mode Video BIOS Version Reference Code Revision Super I/O Firmware Version Q23 Ver. 80.30.14 02/13/2018 12.0.0.1059 Enabled INTEL(R) VBIOS [1006.0] 7.0.1C.58 C7.7.3

SERVICE -----

Born On Date Serial Number SKU Number Universally Unique Identifier (UUID) 00/00/0000 5CD8085NCT D80PVTB#001 931F00D2-F91A-F5A2-FA8E-DB838A973335



#### **HP** Computer Setup

	Item Specific Help
Help	

Universally Unique Identifier (UUID) Asset Tracking Number Feature Byte Build ID Product Family System Board ID System Board CT Number 931F00D2-F91A-F5A2-FA8E-DB838A973335 5CD8085NCT 3E3X475K6J6S6b7B7H7M7Q7T7W7maBapaq 18WWQ4AT6az#SABA#DABA 103C\_53307F HP ProDesk 83F3 PGVMFX58JAG05V

COMMUNICATION ------

Integrated MAC Address

80-CE-62-36-C7-2B



#### **HP** Computer Setup

	Item Specific Help
qaubhdUdpdqgd.Gq	
Help	



# HP PC Hardware Diagnostics UEFI

Please select a Language.

English
Cestina
Dansk
Deutsch
Nederlands
Espanol
eesti keel
Suomi
Francais
Hrvatski
Magyar



#### Update System BIOS

Current System BIOS Version: Current BIOS Release Date: Installation Date of Current BIOS: Most Recent Update Check: Q23 Ver. 80.30.14 02/13/2018 02/26/2018 Never Checked

BIOS Rollback Policy

Allow BIOS Updates Using a Network **3** 

1



#### **HP** Computer Setup

## Item Specific Help

## 1. Check HP.com for BIOS Updates Checks for the latest BIOS release revision

on the network, and lets the user decide whether to download the BIOS image and update System.

2. Click on the field to see the options.

#### **3. Allow BIOS Updates Using a Network** Enable/Disable automatic BIOS updates through the network in a scheduled basis.

#### 4. BIOS Update Preferences

Sets the configurations to perform BIOS updates through the network.

#### **5. Network Configuration Settings**

Configure network settings to be used for download and upload.

Help

2

MS Windows Bitlocker Drive Encryption (BDE) may be enabled on your system. HP requires that BDE be suspended temporarily before the BIOS is flashed and that you obtain your BDE recovery password or recovery PIN before suspending BDE. After the BIOS is updated, BDE can be resumed.



# **Minimum BIOS Version**

Current Minimum BIOS Version: 00.00.00

Minimum BIOS Version:



**BIOS Update Preferences** 

Check for Update on Next Reboot 1



Automatic BIOS Update Setting

**BIOS Update Frequency** 



#### **HP** Computer Setup

#### Item Specific Help

Check for Update on Next Reboot
 Enable/Disable an automatic BIOS check on next reboot.

#### 2. BIOS Source

Choose one of the available options. *Click on the field to see the options.* 

#### 3. Automatic BIOS Update Setting

Choose one of the available options. *Click on the field to see the options.* 

#### 4. BIOS Update Frequency

Choose one of the available options.

2

3

4

#### **Network Configuration Settings**





#### **IPv4** Configuration

- ➡ <u>IPv4 Subnet Mask</u>
- ➡ IPv4 Gateway

#### **DNS** Configuration

Data transfer timeout Force HTTP no-cache **6** 





#### **HP** Computer Setup

#### Item Specific Help

#### 1. Proxy Server

Enable/Disable the use of a proxy server.

#### 2. Edit Proxy Server

Specify the Proxy Server Address and the Port Number through the common-use <server>:<port> notation.

#### **3. Test Network Connection**

Check the network connection using current BIOS update configuration. *Click on the field to see the options.* 

#### 4. IPv4 Configuration

Setup for static IPv4 address. *Click on the field to see the options.* 

#### **5. DNS Configuration**

Configure a list of DNS addresses.

## 6. Force HTTP no-cache

Disable HTTP caching.

Help

3

4

Change Date And Time

Set Date (MM/DD/YYYY) Set Time (HH:MM): 05/25/2018 09:14



## **HP** Computer Setup

Item Specific Help	



# HP Computer Setup

Item Specific Help	

Feature Byte

Current Setting: 3E3X475K6J6S6b7B7H7M7Q7T7W7maBapaqaubhdUdpdqgd.Gq



## Build ID

## Current Setting: 18WWQ4AT6az#SABA#DABA



## Serial Number

## Current Setting: 5CD8085NCT



## SKU Number

## Current Setting: D80PVTB#001



## **Product Family**

## Current Setting: 103C\_53307F HP ProDesk



## System Board CT Number

## Current Setting: PGVMFX58JAG05V



## Product Name

## Current Setting: HP ProDesk 400 G4 DM



System IDs



# HP Computer Setup

Item Specific Help	

## Asset Tracking Number

## Current Setting: 5CD8085NCT



## Ownership Tag

## Current Setting:



**Replicated Setup** 



# HP Computer Setup

Item Specific Help	





#### **HP** Computer Setup

# Item Specific Help 1. Create BIOS Administrator Password The Administrator password controls access to the following features: • Setup Menu (F10) • 3rd Party Option ROM Management (F3) • Update System ROM • WMI Commands that change system settings • BIOS Configuration Utility (BCU) • Alternative Power-On Password 2. Physical Presence Interface When this feature is set to "Enable", then the user is notified on system power up when changes are made to system security policy, and the user must manually agree to those changes before the change is confirmed 3. Intel Software Guard Extensions (SGX) Enable/Disable Software Guard Extensions (SGX)

# **BIOS Administrator Password**

**Enter BIOS Administrator Password** 



Enter POST Power-On Password



#### **TPM Embedded Security**

**TPM Specification Version** 

**TPM Device** 

TPM State **2** 

Clear TPM

**TPM Activation Policy** 

1

2.0



#### **HP** Computer Setup

#### Item Specific Help

#### 1. TPM Device

Exposes the integrated Trusted Platform Module (TPM) for use. *Click on the field to see the options.* 

#### **TPM State**

Enables the integrated Trusted Platform Module (TPM).

Smart Cover

**Cover Removal Sensor** 





## **HP** Computer Setup

## Item Specific Help

Cover Removal Sensor
 Choose one of thve available options.
 Click on the field to see the options.

#### Hard Drive Utilities

Save/Restore MBR of the system hard drive is only available with drives that have a Master Boot Record.

Save/Restore GPT of System Hard Drive **1** 

Boot Sector (MBR/GPT) Recovery Policy

Allow OPAL Hard Drive SID Authentication



#### **HP** Computer Setup

#### Item Specific Help

**1. Save/Restore GPT of System Hard Drive** Enabling this feature will save the GUID Partition table (GPT) of the system Hard Drive. If the GPT is subsequently changed the user will he prompted to choose whether to restore GPT.

Select a Drive



# HP Computer Setup

Item Specific Help	

Select a Drive



# HP Computer Setup

Item Specific Help	

1

#### DriveLock Security Options

Automatic Drivelock

2

A BIOS Administration Password must be defined before you can enable Automtic DriveLock



#### **HP** Computer Setup

## Item Specific Help

#### 1. Set DriveLock Master Password

Sets the drive's Master password, but it does not enable DriveLock.

#### 2. Enable DriveLock

Sets the drive's User password and enables DriveLock.



# Set DriveLock Master Password

Please exercise caution when using DriveLock. Losing the passwords will render a drive permaneently unusable.

Please be aware these settings take place immediately: save not necessary.

Enter DriveLock Master Password.



# Set DriveLock User Password

Please exercise caution when using DriveLock. Losing the passwords will render a drive permaneently unusable.

Please be aware these settings take place immediately: save not necessary.

Enter DriveLock User Password.



Select a Drive



# HP Computer Setup

Item Specific Help				

# Secure Erase

This operation will erase all data on the hard drive. Please make sure the computer is connected to AC power during this process.



Are you sure you want to restore security settings to default?



# HP Computer Setup

Item Specific Help			

3



Remote HP PC Hardware Diagnostics





#### **HP** Computer Setup

#### Item Specific Help

#### 1. Port Options

Enable/Disable Port Settings

#### 2. Settings

Set the configuration for Remote HP PC Hardware Diagnostics, including the URLs used for download and upload, the scheduled execution frequency, etc.

#### 3. Execute Remote HP PC Harware Diagnostics

Immediate execution of Remote HP PC Hardware Diagnostics based on the configurations in Settings option. Note that any unsaved BIOS settings are lost.

Display Language

Select Language

Select Keyboard Layout



# HP Computer Setup

Item Specific Help				

## Scheduled Power-On

Sunday	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Hour	0
Minute	0



# HP Computer Setup

Item Specific Help				

#### **Boot Options**

Startup Delay (sec.)

Fast Boot USB Storage Boot Network (PXE) Boot After Power Loss

> Prompt on Memory Size Change Prompt on Fixed Storage Change Audio Alerts During Boot NumLock on at boot

UEFI Boot Order

SATAO: Windows Boot Manager USB: IPV4 Network - Realtek PCIe GBE Family Controller IPV6 Network - Realtek PCIe GBE Family Contorller

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#### Legacy Boot Order

USB: SATAO: ST500LX025-1U717D-SSHD 1



#### **HP** Computer Setup

#### Item Specific Help

#### 1. After Power Loss

Determine the system's state after power is lost to the unit.

#### Secure Boot Configuration

Configure Legacy Support and Secure Boot

Secure Boot Key Management Import Custom Secure Boot keys Clear Secure Boot keys Reset Secure Boot keys to factory defaults Enable MS UEFI CA key

Ready BIOS for Device Guard Use

Requires BIOS Administrator Password to be configured and Secure Boot to be enabled.



#### **HP** Computer Setup

Item Specific Help				

#### System Options

Configure Storage Controller for Intel Optane Multi-processor Virtualization Technology (VTx) Virtualization Technology for Directed I/O (VTd) M.2 SSD 1 M.2 WLAN/BT 2 Allow PCIe/PCI SERR# Interrupt

Power Button Override

3



#### **HP** Computer Setup

#### Item Specific Help

- **1. M.2 SSD** Hides the slot from the OS
- **2. M.2 WLAN/BT** Hides the slot from the OS

#### **3. Power Button Override** *Click on the field to see the options.*

#### **Built-In Device Options**

Embedded LAN Controller

Wake On LAN

**Dust Filter** 

Dust Filter Reminter (Days)

Video memory size

Audio Device **1** 

Microphone

Internal Speakers Increase Idel Fan Speed (%) M.2 USB / Bluetooth

LAN/WLAN Auto Switching

Wake on WLAN

0



#### **HP** Computer Setup

# Item Specific Help 1. Audio Device Hides the Audio device from OS

#### **Port Options**

Front USB Ports Front USB Port 1 2 Front USB Port 2 2 **Rear USB Ports** 3 4 Rear USB Port 1 4 Rear USB Port 2 **Rear USB Port 3** 4 **Rear USB Port 4** 4 USB Legacy Port Charging **5** SATA 0 **6 Restrict USB Devices** 



#### **HP** Computer Setup

#### Item Specific Help

#### 1. Front USB Ports

Hides the front USB ports from the OS

#### 2. Front USB Port 1-2

Enables individual legacy or Type-C USB port. On Desktop platorms, ports are typically numberred bottom to top, then left to right when in horizontal orientation. On Notebook platforms, Ports are typically numbered front to rear.

#### 3. Rear USB Ports

Hides the rear USB ports from the OS

#### 4. Rear USB Port 1-4

Enables individual legacy or Type-C USB port. On Desktop platforms, ports are typically numbered bottom to top, then left to right when in horizontal orientation. On Notebook platforms, Ports are typically numbered front to rear.

#### 5. USB Legacy Port Charging

Enable USB Charging port for charging capability when system Hibernate/Shutdown

#### 6. SATA 0

Hides the SATA port from the OS

**Option ROM Launch Policy** 

**Configure Option ROM Launch Policy** 



## **HP** Computer Setup



- Item Specific Help
- Configure Option ROM Launch Policy
   Configure the launching of the EFI versus
   Legacy Option ROMs

Power Management Options

Runtime Power Management <b>1</b>
Extended Idle Power States <b>2</b>
S5 Maximum Power Savings 3
SATA Power Management
PCI Express Power Managment 4
Power On from Keyboard Ports 5
Unique Sleep State Blink Rates



#### **HP** Computer Setup

#### Item Specific Help

**1. Runtime Power Management** Enables Runtime Power Management.

#### **2. Extended Idle Power States** Increases the OS's Idle Power Savings.

#### 3. S5 Maximum Power Savings

Enabling this feature reduces the power of this system as much as possible in the S5 state. Power is removed from the wake up circuitry, the expansion slots and any management features while in S5.

#### 4. PCI Express Power Management

Enabling this option permits the PCI Express links to use Active State Power Management (ASPM) to enter low power states while not in use.

#### 5. Power On from Keyboard Ports

To wake up system from Hibernate/Shutdown via keyboard.

### **Remote HP PC Hardware Diagnostics**

#### **Diagnostics Download URL**

Custom Download Address



Frequency

Execute On Next Boot







#### **HP** Computer Setup

#### Item Specific Help

#### 1. Diagnostics Download URL

Select between HP server URL and a custom server URL.

#### 2. Custom Upload Address

Configure a URL for diagnostics logs upload.

#### 3. Username

Configure the username for uploading diagnostics logs to the server, if authentication is required.

#### 4. Password

Configure the password for uploading diagnostics logs to the server, if authentication is required.

#### **5. Scheduled Execution**

Enable/disable the scheduled execution of Remote HP PC Hardware Diagnostics.

#### 6. Frequency

Select the frequency for scheduled execution of Remote HP PC Hardware Diagnostics.

#### 7. Execute On Next Boot

Enable/disable the execution on next boot. The flag will be disabled after the diagnostics have run.

# **Custom Upload URL**

There is no Custom Upload URL configured. Type a new Custom Upload URL and press ENTER to save. Press ESC to CANCEL



# **Upload Server Username**

There is no Username configured. Type a new Username and press ENTER to save. Press ESC to CANCEL



# **Upload Server Password**

There is no Upload Server Password configured. Type a new Upload Server Password and press ENTER to save. Press ESC to CANCEL



	<b>UEFI</b> Drivers

This will restart the system into the 3rd Party Option ROM Management application. You can get to this application directly by pressing F3 during startup.



Item Specific Help				